Title (en)

END-TO-END CONSIDERATE LINK CONTROL AND ROUTING IN A MULTIHOP NETWORK

Title (de)

RÜCKSICHTSVOLLE ENDE-ZU-ENDE-STRECKENSTEUERUNG UND ROUTING IN EINEM MEHRSPRUNG-NETZWERK

Title (fr)

GESTION DES LIAISONS ET ACHEMINEMENT CONSIDERES DE BOUT EN BOUT DANS UN RESEAU MULTISAUT

Publication

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Application

EP 05756669 A 20050701

Priority

SE 2005001090 W 20050701

Abstract (en)

[origin: WO2007004935A1] By introducing a novel parameter common to all links along the entire multihop route it is possible to more flexibly allocate, for each of a number of the links, a set of three interdependent link transmit parameters representative of a) link transmit energy, b) link transmit time or link transmit bandwidth or link code word consumption, and c) link transmit power. Basically, the common parameter is determined based on a given end-to-end (ETE) transmit parameter constraint for the entire multihop route (S 1). The idea is then to assign or allocate, for each considered link, the three interdependent link transmit parameters based on the common parameter and local link characteristics (S2). In this way, all three link transmit parameters may (and generally will) be different between at least two links on the route when the links have different link characteristics, assuming that each link transmit parameter is also dependent on the local link characteristics. Preferably, the common parameter is determined in the process of optimizing a given objective ETE function.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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